

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|---|
| 1985 | | | |
| 03/15/85 | 1425 | OPEN | |
| 05/07/85 | 1035 | CLOSED | DELTA WATER QUALITY |
| 05/09/85 | 1043 | OPEN | FISH TESTING |
| 05/29/85 | 1002 | CLOSED | EMMATON WATER QUALITY |
| 05/31/85 | 1355 | OPEN | JERSEY WATER QUALITY |
| 06/03/85 | 0925 | CLOSED | EMMATON WATER QUALITY |
| 06/06/85 | 1040 | OPEN | JERSEY WATER QUALITY - EMMATON O.K. |
| 06/12/85 | 0923 | CLOSED | EMMATON WATER QUALITY |
| 06/14/85 | 1324 | OPEN | EMMATON O.K. |
| 10/17/85 | 0909 | CLOSED | EMMATON WATER QUALITY |
| 10/19/85 | 1135 | OPEN | EMMATON WATER QUALITY O.K. |
| 10/23/85 | 1425 | CLOSED | EMMATON WATER QUALITY INSURANCE |
| 10/25/85 | 1400 | OPEN | 48 HOURS DURATION OF CLOSURE |
| 11/07/85 | 1425 | CLOSED | EMMATON WATER QUALITY (REQUEST OF DWR) |
| 11/08/85 | 1425 | OPEN | 24-HOUR CLOSURE - OPEN FOR WEEKEND |
| 11/12/85 | 1220 | CLOSED | EMMATON WATER QUALITY (REQUEST OF DWR) |
| 11/15/85 | 1423 | OPEN | OPEN FOR WEEKEND |
| 11/30/85 | 1130 | CLOSED | HIGH WATER |
| 12/06/85 | 1230 | OPEN | CONTRA COSTA WATER QUALITY - RIVER STILL HIGH BUT FALLING |
| 1986 | | | |
| 01/17/86 | 1300 | CLOSED | D-1485 - DELTA OUTFLOW > 12,000 EXPECTED |
| 05/22/86 | 1300 | OPEN | OPEN FOR WEEKEND |
| 09/23/86 | 1425 | CLOSED | HIGH WATER |
| 10/09/86 | 1355 | OPEN | OPEN FOR BOATERS CONVENIENCE |
| 12/05/86 | 1435 | CLOSED | EMMATON WATER QUALITY (REQUEST OF DWR) |

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|-------------|-------------|---------------|--|
| 12/10/86 | 1025 | OPEN | |
| 12/30/86 | 1425 | CLOSED | OUTFLOW 12,000 CFS |
| 1987 | | | |
| 02/27/87 | 0725 | OPEN | OUTFLOW BELOW 12,000 CFS |
| 03/06/87 | 0940 | CLOSED | OUTFLOW OVER 12,000 CFS |
| 04/01/87 | 0825 | OPEN | OUTFLOW BELOW 12,000 AND TO EQUALIZE WATER QUALITY BETWEEN EMMATON AND JERSEY POINT |
| 04/28/87 | 0755 | CLOSED | FISH TESTING |
| 05/01/87 | 0755 | OPEN | |
| 05/17/87 | 0725 | CLOSED | FISH FLUSH |
| 05/23/87 | 0725 | OPEN | |
| 10/01/87 | 1535 | CLOSED | EMMATON WATER QUALITY (DWR REQUEST) |
| 10/04/87 | 0925 | OPEN | EMMATON O.K. |
| 10/08/87 | 1122 | CLOSED | EMMATON WATER QUALITY (DWR REQUEST) |
| 10/10/87 | 0630 | OPEN | EMMATON O.K. |
| 10/27/87 | 1115 | CLOSED | EMMATON WATER QUALITY (DWR REQUEST) |
| 10/30/87 | 0735 | OPEN | EMMATON WATER QUALITY O.K. |
| 11/02/87 | 1455 | CLOSED | EMMATON WATER QUALITY (DWR REQUEST) |
| 11/05/87 | 1525 | OPEN | EMMATON O.K. |
| 1988 | | | |
| 01/05/88 | 0825 | CLOSED | OUTFLOW REQUIREMENT |
| 01/27/88 | 1340 | OPEN | OUTFLOW BELOW 12,000 |
| 05/03/88 | 0732 | CLOSED | FISH TEST |
| 05/06/88 | 0746 | OPEN | FISH TEST |
| 05/13/88 | 1325 | CLOSED | FISH FLUSH |
| 05/20/88 | 1525 | OPEN | |

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| 05/31/88 | 0754 | CLOSED | FISH TEST |
| 05/31/88 | 1435 | OPEN | TEST POSTPONED UNTIL 6/13/88 |
| 06/21/88 | 0740 | CLOSED | FISH TEST |
| 06/24/88 | 0725 | OPEN | FISH TEST |
| 11/25/88 | 1254 | CLOSED | HIGH OUTFLOW |
| 11/27/88 | 0743 | OPEN | |
| 1989 | | | |
| 02/19/89 | 1228 | CLOSED | REQUESTED BY SHERIFF'S OFFICE SO THEY COULD SEARCH FOR A BODY -- NONE FOUND |
| 02/19/89 | 1357 | OPEN | |
| 03/06/89 | 0925 | CLOSED | OUTFLOW EXCEEDS 12,000 CFS |
| 04/13/89 | 1507 | OPEN | OUTFLOW BELOW 12,000 CFS |
| 05/08/89 | 1226 | CLOSED | EMMATON QUALITY NOT GOOD |
| 05/10/89 | 0825 | OPEN | EMMATON QUALITY IMPROVING |
| 05/12/89 | 1425 | CLOSED | FISH FLUSH - FISH HAVE REACHED DELTA |
| 05/17/89 | 1022 | OPEN | COLEMAN FISH FLUSH CONCLUDED |
| 06/05/89 | 1325 | CLOSED | EMMATON WATER QUALITY |
| 06/07/89 | 0825 | OPEN | EMMATON QUALITY IMPROVING |
| 06/08/89 | 1454 | CLOSED | EMMATON WATER QUALITY |
| 06/10/89 | 0655 | OPEN | EMMATON QUALITY IMPROVING |
| 06/19/89 | 1025 | CLOSED | EMMATON WATER QUALITY |
| 06/21/89 | 1425 | OPEN | EMMATON QUALITY IMPROVING |
| 1990 | | | |
| 01/11/90 | 0945 | CLOSED | OUTFLOW ABOVE 12,000 CFS |
| 01/22/90 | 1425 | OPEN | OUTFLOW BELOW 12,000 |
| 04/25/90 | 1424 | GATE 2 CLOSED | FLOW STUDY BY DWR |
| 04/26/90 | 1540 | OPEN | FLOW STUDY COMPLETE |
| 05/15/90 | 0924 | CLOSED | EMMATON WATER QUALITY |
| 05/16/90 | 1325 | OPEN | EMMATON IMPROVED |

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| 1991 | | | |
| 03/05/91 | 1425 | CLOSED | OUTFLOW ABOVE 12,000 |
| 03/11/91 | 1025 | OPEN | OUTFLOW BELOW 12,000 |
| 03/14/91 | 1600 | CLOSED | OUTFLOW ABOVE 12,000 |
| 04/04/91 | 1055 | OPEN | OUTFLOW BELOW 12,000 |
| 05/02/91 | 1245 | CLOSED | FISH FLUSH |
| 05/03/91 | 1435 | OPEN | |
| 05/16/91 | 1440 | CLOSED | EMMATON WATER QUALITY |
| 05/18/91 | 0625 | OPEN | EMMATON IMPROVED |
| 05/20/91 | 1424 | CLOSED | EMMATON WATER QUALITY |
| 05/25/91 | 0625 | OPEN | EMMATON IMPROVED |
| 05/30/91 | 1125 | CLOSED | EMMATON WATER QUALITY |
| 06/01/91 | 0625 | OPEN | EMMATON IMPROVED |
| 06/03/91 | 1337 | CLOSED | EMMATON WATER QUALITY |
| 06/07/91 | 0845 | OPEN | EMMATON IMPROVED |
| 06/10/91 | 1024 | CLOSED | EMMATON WATER QUALITY |
| 06/13/91 | 0825 | OPEN | EMMATON IMPROVED |
| 06/27/91 | 1455 | CLOSED | EMMATON WATER QUALITY |
| 06/29/91 | 0625 | OPEN | EMMATON IMPROVED |
| 1992 | | | |
| 02/03/92 | 1025 | CLOSED | OUT-MIGRATION OF JUVENILE WINTER-RUN SALMON |
| 05/01/92 | 0932 | OPEN | OUT-MIGRATION COMPLETE |
| 05/15/92 | 0900 | CLOSED | TO HELP MEET D-1485 RIO VISTA FLOW REQUIREMENTS |
| 05/22/92 | 1000 | OPEN | RIO VISTA FLOWS O.K. |
| 05/26/92 | 0924 | CLOSED | EMMATON WATER QUALITY |
| 05/29/92 | 1649 | OPEN | EMMATON IMPROVED |
| 06/01/92 | 0920 | CLOSED | EMMATON WATER QUALITY |
| 06/03/92 | 0908 | PARTIAL Y | OPENED TO WATER SURFACE FOR GATE INSPECTION |

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|-------------|-------------|---------------|--|
| | | OPENED | |
| 06/03/92 | 1427 | CLOSED | INSPECTION COMPLETED |
| 06/08/92 | 1520 | OPEN | EMMATON IMPROVED |
| 12/12/92 | 1125 | CLOSED | HIGH FLOW IN SACRAMENTO RIVER |
| 12/14/92 | 1755 | OPEN | FLOWS LOWER |
| 1993 | | | |
| 01/03/93 | 1125 | CLOSED | HIGH FLOWS IN SAC RIVER/ESA REQUIREMENTS |
| 05/29/93 | 1755 | OPEN | LOWER FLOWS |
| 06/01/93 | 1436 | CLOSED | HIGH FLOW IN SACRAMENTO RIVER |
| 06/18/93 | 1001 | OPEN | HIGH FLOWS RECEDING |
| 10/29/93 | 0938 | CLOSED | STATE EMMATON STANDARD |
| 11/01/93 | 0930 | OPEN | STATE EMMATON STANDARD IMPROVED |
| 11/02/93 | 1101 | CLOSED | STATE EMMATON STANDARD |
| 11/07/93 | 0940 | OPEN | STATE EMMATON STANDARD IMPROVED |
| 1994 | | | |
| 01/08/94 | 1041 | CLOSED | ESA REQUIREMENT |
| 05/27/94 | 1326 | OPEN | WINTER RUN SALMON ASSUMED TO BE OUT OF SYSTEM |
| 06/22/94 | 1420 | CLOSED | EMMATON WATER QUALITY |
| 06/24/94 | 1338 | OPEN | |
| 06/29/94 | 1335 | CLOSED | TO IMPROVE STATE EMMATON STANDARD |
| 07/01/94 | 1502 | OPEN | FOR 3-DAY WEEKEND |
| 07/05/94 | 1424 | CLOSED | TO IMPROVE STATE EMMATON STANDARD |
| 07/08/94 | 1335 | OPEN | EMMATON STANDARD IMPROVED |
| 07/26/94 | 1428 | CLOSED | TO IMPROVE STATE EMMATON STANDARD |
| 07/29/94 | 1325 | OPEN | |
| 11/11/94 | 1240 | CLOSED | WINTER RUN OUT MIGRATION |
| 11/14/94 | 1805 | OPEN | |
| 12/08/94 | 1029 | CLOSED | WINTER RUN MOVEMENT - NMFS REQUEST TO CLOSE |

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| 12/14/94 | 1625 | OPEN | |
| 12/16/94 | 0835 | CLOSED | |
| 12/19/94 | 1354 | OPEN | |
| 1995 | | | |
| 01/04/95 | 1034 | CLOSED | REQUEST FROM FISHERY AGENCIES FOR EXPERIMENT ON MOVEMENT OF SALMON SMOLTS. |
| 07/28/95 | 0700 | OPEN | |
| 09/19/95 | 1400 | CLOSED | FLows IN SACRAMENTO RIVER OVER 25,000 CFS. |
| 09/22/95 | 1100 | OPEN | |
| 12/11/95 | 0900 | CLOSED | FORECASTED WEATHER NEXT WEEK WITH RESULTANT INCREASED FLOWS AND FISH MOVEMENT. |
| 1996 | | | |
| 06/12/96 | 0900 | OPEN | |
| 11/12/96 | 1300 | CLOSED | TO AVOID DIVERSION OF FISH |
| 11/15/96 | 1300 | OPEN | |
| 11/20/96 | 1200 | CLOSED | FISH MOVEMENT |
| 1997 | | | |
| 05/16/97 | 1900 | OPEN | |
| 05/21/97 | 1120 | CLOSED | |
| 05/23/97 | 1325 | OPEN | |
| 05/28/97 | 0925 | CLOSED | |
| 05/30/97 | 1325 | OPEN | |
| 06/12/97 | 0925 | CLOSED | |

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| 06/16/97 | 0955 | OPEN | |
| 07/01/97 | 0725 | CLOSED | |
| 07/03/97 | 1225 | OPEN | |
| 10/06/97 | 1555 | CLOSED | EXPERIMENT TO CLOSE THE GATES FOR A 2 WEEK PERIOD TO MEASURE THE RATE OF INCREASE OF SALINITY. |
| 10/15/97 | 0855 | OPEN | |
| 11/25/97 | 0624 | CLOSED | |
| 1998 | | | |
| 07/17/98 | 0925 | OPEN | |
| 09/08/98 | 1225 | CLOSED | Flows in Sacramento River above 25,000 cfs. |
| 1999 | | | |
| 05/28/99 | 0852 | OPEN | |
| 11/26/99 | 0824 | CLOSED | Fishery protection |
| 12/14/99 | 0924 | Open | Delta Water Quality |
| 12/14/99 | 1425 | Closed | |
| 12/15/99 | 0922 | Open | |
| 2000 | | | |
| 01/16/00 | 1041 | Closed | Monitoring of Spring Run sized Chinook salmon at lower Sacramento River sites. |
| 05/26/00 | 1025 | Open | |
| 06/05/00 | 1025 | Closed | |
| 06/09/00 | 1020 | Open | |
| 06/12/00 | 1025 | Closed | |

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|----------------|------|--------|--|
| 06/16/00 | 1030 | Open | |
| 09/28/00 | 0654 | closed | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1325 | open | |
| | 1851 | closed | |
| 09/29/00 | 0206 | open | |
| | 0755 | closed | |
| | 1410 | open | |
| | 1941 | closed | |
| 09/30/00 | 0308 | open | |
| | 0902 | closed | |
| | 1449 | open | |
| | 2009 | closed | |
| 10/01/00 | 0416 | open | |
| | 0950 | closed | |
| | 1545 | open | |
| | 2054 | closed | |
| 10/02/00 | 0511 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1025 | closed | |
| | 1540 | open | |
| | 2140 | closed | |
| 2000 continued | | | |
| 10/03/00 | 0616 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1155 | closed | |
| | 1510 | open | |
| | 2224 | closed | |
| 10/04/00 | 0715 | open | |
| | 1240 | closed | |
| | 1804 | open | |
| | 2209 | closed | |
| 10/05/00 | 0755 | open | |
| | 1325 | closed | |
| | 1854 | open | |
| 10/06/00 | 0011 | closed | |
| | 0840 | open | |
| | 1410 | closed | |
| | 1937 | open | |
| 10/07/00 | 0055 | closed | |
| | 0926 | open | |
| | 1454 | closed | |
| | 2040 | open | |

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|----------------|------|--------|--|
| 10/08/00 | 0154 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 0956 | open | |
| | 1538 | closed | |
| | 2123 | open | |
| 10/09/00 | 0250 | closed | |
| | 1025 | open | |
| | 1610 | closed | |
| | 2220 | open | |
| 10/10/00 | 0351 | closed | |
| | 1110 | open | |
| | 1640 | closed | |
| | 2310 | open | |
| 2000 continued | | | |
| 10/11/00 | 0440 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1155 | open | |
| | 1710 | closed | |
| 10/12/00 | 0010 | open | |
| | 0539 | closed | |
| | 1225 | open | |
| 10/13/00 | 1755 | closed | |
| | 0058 | open | |
| | 0640 | closed | |
| 10/14/00 | 1240 | open | |
| | 1824 | closed | |
| | 0155 | open | |
| 10/15/00 | 0754 | closed | |
| | 1324 | open | |
| | 1054 | closed | |
| 10/16/00 | 0304 | open | |
| | 0902 | closed | |
| | 1410 | open | |
| 10/17/00 | 1939 | closed | |
| | 0354 | open | |
| | 0925 | closed | |
| 10/18/00 | 1455 | open | |
| | 2024 | closed | |
| | 0454 | open | |
| 10/19/00 | 1025 | closed | |
| | 1540 | open | |
| | 2124 | closed | |
| 10/20/00 | 0555 | open | Continue Gate study to determine how best to |

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|-------------|-------------|---------------|---|
| | 1125 | closed | operate CC |
| | 1640 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 2212 | closed | |
| | | | 2000 continued |
| 10/19/00 | 0638 | open | Continue Gate study to determine how best to operate CC |
| | 1210 | closed | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1745 | open | |
| | 2309 | closed | |
| 10/20/00 | 0740 | open | |
| | 1255 | closed | |
| 10/21/00 | 0821 | open | |
| | 1454 | closed | |
| 10/22/00 | 0909 | open | |
| | 1438 | closed | |
| 10/23/00 | 0955 | open | |
| | 1525 | closed | |
| 10/24/00 | 1015 | open | |
| | 1610 | closed | |
| 10/25/00 | 1125 | open | |
| | 1655 | closed | |
| 10/26/00 | 1155 | open | |
| | 1725 | closed | |
| 10/27/00 | 1240 | open | |
| | 1810 | closed | |
| 10/28/00 | | No moves | |
| 10/29/00 | 1310 | open | |
| | 1840 | closed | |
| 10/30/00 | 1355 | open | |
| | 1925 | closed | |
| 10/31/00 | 1440 | open | |
| | 1955 | closed | |
| 11/01/00 | 1525 | open | |
| | 2040 | closed | |
| 11/02/00 | 1625 | open | Continue Gate study to determine how best to operate CC |
| | 2125 | closed | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| 11/03/00 | 0610 | open | |
| | 1155 | closed | |
| | | | 2000 continued |

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|-------------|-------------|---------------|--|
| 11/04/00 | 0655 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta. |
| | 1239 | closed | |
| 11/05/00 | 0724 | open | |
| | 1510 | closed | |
| 11/06/00 | 0810 | open | |
| | 1340 | closed | |
| 11/07/00 | 0840 | open | |
| | 1410 | closed | |
| 11/08/00 | 0925 | open | Opened until further notice. End of study. |
| | | | |
| 12/22/00 | 1025 | closed | |
| | | | |
| 12/26/00 | 1425 | open | |
| | | | |
| | | | |
| | | | |
| | | | 2001 |
| 01/14/01 | 1025 | closed | Fishery concerns |
| 01/23/01 | 1025 | open | |
| 01/26/01 | 1025 | closed | |
| | | | |
| 05/25/01 | 1215 | open | |
| | | | |
| 05/29/01 | 0525 | closed | |
| | | | |
| 06/09/01 | 0620 | open | |
| | | | |
| 06/11/01 | 0620 | closed | |
| | | | |
| 06/14/01 | 1350 | open | |
| | | | |
| 08/10/01 | 1740 | closed | |
| | | | |
| 08/10/01 | 2352 | open | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| | | | |
| 08/12/01 | 1909 | closed | |
| | | | |
| 08/13/01 | 0110 | open | |
| | | | |
| 08/14/01 | 2057 | closed | |
| | | | |
| 08/15/01 | 0222 | open | |

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|-------------|-------------|---------------|--|
| 08/16/01 | 2221 | closed | Continue Gate study to determine how best to operate CC |
| 08/17/01 | 0354 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 08/19/01 | 0009 | closed | Started to close gates on 8/18/2001 at 2345 hours. |
| | | | 2001 continued |
| 08/19/01 | 0539 | open | Continue Gate study to determine how best to operate CC |
| 08/21/01 | 0224 | closed | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 08/21/01 | 0725 | open | |
| 08/23/01 | 0522 | closed | |
| 08/23/01 | 0925 | open | |
| 08/25/01 | 1721 | closed | |
| 08/26/01 | 0009 | open | Started to close gates on 8/25/2001 at 2344 hours. |
| 08/26/01 | 1902 | closed | |
| 08/27/01 | 0055 | open | End Gate study to determine how best to operate CC |
| | | | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/08/01 | 0645 | closed | Begin Gate study to determine how best to operate CC |
| 10/08/01 | 1225 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/09/01 | 0739 | closed | |
| 10/09/01 | 1325 | open | |
| 10/10/01 | 0824 | closed | |
| 10/10/01 | 1410 | open | Continue Gate study to determine how best to operate CC |
| | | | Gates to protect both fish & water quality in |

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| the Sacramento-San Joaquin River Delta | | | |
| 2001 continued | | | |
| 10/11/01 | 2024 | closed | Continue Gate study to determine how best to operate CC |
| 10/12/01 | 0125 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/12/01 | 2119 | closed | |
| 10/13/01 | 0235 | open | |
| 10/13/01 | 2204 | closed | |
| 10/14/01 | 0335 | open | |
| 10/14/01 | 2304 | closed | Continue Gate study to determine how best to operate CC |
| 10/15/01 | 0425 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/16/01 | 0038 | closed | |
| 10/16/01 | 0514 | open | |
| 10/17/01 | 0154 | closed | |
| 10/17/01 | 0615 | open | |
| 10/18/01 | 0249 | closed | |
| 10/18/01 | 0820 | open | |
| 10/19/01 | 0404 | closed | Continue Gate study to determine how best to operate CC |
| 10/19/01 | 0920 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 2001 continued | | | |
| 10/20/01 | 0459 | closed | Continue Gate study to determine how best to operate CC |
| 10/20/01 | 1030 | open | Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

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| 10/20/01 | 1518 | closed | |
| 10/20/01 | 2035 | open | |
| 10/21/01 | 1605 | closed | |
| 10/21/01 | 2134 | open | |
| 10/22/01 | 1700 | closed | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 10/22/01 | 2206 | open | |
| 10/23/01 | 1735 | Gate was to close but operator missed the closure. | |
| 10/24/01 | 1852 | closed | |
| 10/24/01 | 2359 | open | |
| 10/25/01 | 2004 | close | |
| 10/26/01 | 0054 | open | |
| 10/26/01 | 2030 | close | |
| 10/27/01 | 0139 | open | End Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 2001 continued | | | |
| 11/21/01 | 1024 | closed | Fish concerns |
| 11/29/01 | 1426 | open | Delta water quality concern |
| 12/04/01 | 0931 | closed | Forecast high flow Sac River as well as fishery protection. Note: Gates could have been open on 12/11, but kept closed for fishery concerns. |
| 2002 | | | |
| 05/24/02 | 1024 | open | |

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|----------------|------|--------|---|
| 05/28/02 | 1024 | close | |
| 05/31/02 | 1025 | open | Begin Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 06/03/02 | 2017 | close | |
| 06/04/02 | 0529 | open | |
| 06/04/02 | 2026 | close | |
| 06/05/02 | 0526 | open | |
| 06/05/02 | 2024 | close | |
| 06/06/02 | 0525 | open | |
| 06/06/02 | 2027 | close | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 06/07/02 | 0528 | open | |
| 06/09/02 | 2324 | close | |
| 06/10/02 | 0727 | open | |
| 06/10/02 | 2325 | close | |
| 06/11/02 | 0729 | open | |
| 06/11/02 | 2325 | close | |
| 06/12/02 | 0727 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 06/12/02 | 2325 | close | |
| 2002 continued | | | |
| 06/13/02 | 0728 | open | Continue Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |
| 06/13/02 | 2325 | close | |
| 06/14/02 | 0724 | open | End Gate study to determine how best to operate CC Gates to protect both fish & water quality in the Sacramento-San Joaquin River Delta |

**BUREAU OF RECLAMATION
DELTA CROSS CHANNEL OPERATIONS**

| DATE | TIME | ACTION | REMARKS |
|-------------|-------------|---------------|--|
| 10/16/02 | 0835 | closed | Fish study |
| 10/19/02 | 0825 | open | End of fish study. Gate #2 fell closed from full open position at 0830. #2 Gate (south) remains closed until repairs complete. |
| 11/12/02 | 0815 | closed | To complete maintenance and repairs. |
| 11/12/02 | 1730 | open | Maintenance and repairs complete. |
| 12/03/02 | 1010 | closed | Fishery Agencies Request. |
| 12/10/02 | 1355 | open | Fishery Agencies Request Complete. |
| 12/16/02 | 1124 | closed | High Flows. |
| 2003 | | | |
| 05/30/03 | 1625 | open | High flows - open for weekend and closed again on Monday. |
| 06/02/03 | 0824 | closed | |
| 06/06/03 | 1112 | open | Gates open on weekends until flow drops below 25,000 cfs |
| 06/09/03 | 0908 | closed | High flows |
| 06/12/03 | 0925 | open | |
| 12/01/03 | 1024 | closed | Fishery Protection |
| 2004 | | | |
| 05/28/04 | 1032 | open | |
| 06/01/04 | 1032 | closed | Jones Tract Levee Failure Gate 2 fully closed at 1229 due to operational problems. |
| 06/03/04 | 1141 | open | Gate 2 fully opened at 1250 due to operational problems. |